

Claims

1. A seed boot for a seeding machine comprising an integral cast body having a seed entry passage extending downwardly and rearwardly from an inlet to an outlet, an integral mounting assembly for mounting the seed boot to a planting unit frame is located above the seed entry passage, the inlet is located in front of the mounting assembly and the outlet is located below and behind the mounting assembly.

2. The seed boot as defined by claim 1 wherein the seed entry passage slopes continuously and uniformly downwardly and rearwardly from the inlet to the outlet.

3. The seed boot as defined by claim 2 wherein the mounting assembly comprises a clevis having a front wing and a rear wing.

4. The seed boot as defined by claim 3 wherein the inlet is in front of and adjacent to the front wing.

5. The seed boot as defined by claim 4 wherein the seed boot is provided with an integral sidewall immediately downstream from the outlet.

6. The seed boot as defined by claim 5 wherein the seed boot is provided with a seed flap extending downstream from the outlet.

7. A planting unit for a seeding machine, the planting unit comprising:
a planter unit frame;
a furrow opener disc rotatively mounted to the planter unit frame by a bearing assembly, the bearing assembly defining a center axis;

a seed boot is mounted to the planting unit frame by a mounting assembly, the seed boot having a seed entry passage extending downwardly and rearwardly from an inlet to an outlet, the inlet is located in front of the mounting assembly and the outlet is located below the center axis.

8. The planting unit as defined by claim 7 wherein the mounting assembly is located in front of the bearing assembly.

9. The planting unit as defined by claim 8 wherein the seed entry passage slopes continuously and uniformly downwardly and rearwardly from the inlet to the outlet.

10. The planting unit as defined by claim 9 wherein the mounting assembly comprises a clevis having a front wing and a rear wing.

11. The planting unit as defined by claim 10 wherein the seed boot is secured to the planting unit frame by a mounting bolt passing through the clevis.

12. The planting unit as defined by claim 11 wherein the inlet is in front of and adjacent to the front wing.

13. The planting unit as defined by claim 12 wherein the seed boot is provided with an integral sidewall immediately downstream from the outlet.

14. The planting unit as defined by claim 13 the seed boot is provided with a seed flap extending downstream from the outlet.

15. The planting unit as defined by claim 7 wherein the seed boot is a cast integral part.